SURFICIAL MATERIALS

GLACIAL AND POSTGLACIAL DEPOSITS

Fine Deposits
- sands, gravels, silts and clays with few to no boulders, and owing principally in southeastern Connecticut.

Postglacial Sediments
- sands, gravels, silts and clays with few to no boulders, and owing principally in southeastern Connecticut.

EXPLANATION

Geologically, surficial deposits can be of glacial, fluvioglacial (glacial river), and coastal origin. Glacial deposits are the most widespread surficial deposits in Connecticut. They are a combination of glacial debris that was deposited during the Pleistocene ice ages. These deposits are composed of glacial till, outwash, and end moraine.

Glacial Till
- deposits that are formed by the glacial ice directly. They are composed of a mixture of rocks, boulders, and finer materials that were transported by the glacier.

Outwash
- material that was eroded from the glacial ice and deposited by meltwater streams. It is typically composed of sand and gravel.

End Moraine
- deposits that form at the edge of the glacial ice. They are composed of a mixture of fine and coarse materials.

Fluvioglacial Deposits
- deposits that were formed by glacial meltwater streams. They are typically composed of sand and gravel.

Coastal Deposits
- deposits that were formed by the sea. They are typically composed of sand and gravel.

Postglacial Sediments
- deposits that formed after the last glacial period. They are typically composed of sand and gravel.

DATA SOURCES

SURFICIAL MATERIALS DATA - Surficial Materials data shown on this map are from the Surficial Material Map, which contains a simplified version of spatial data derived from the Connecticut Geological and Natural History Survey. The Surficial Materials Map digital data were published in 1995 by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared for both the Connecticut Surficial Materials Map of Connecticut and Long Island Sound Basin. Other data were derived from more than 1,200,000-scale digital data of Connecticut geologic and land use maps, published by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. These data were digitized from the 1:24,000-scale compilation sheets prepared for both the Connecticut Surficial Materials Map of Connecticut and Long Island Sound Basin.

QUATERNARY GEOLOGY AND SURFICIAL MATERIALS DATA - 1:24,000-scale digital spatial data of Connecticut geologic and surficial materials, published by the Connecticut Department of Environmental Protection, in cooperation with the U.S. Geological Survey. These data were derived from the Surficial Materials Map of Connecticut and Long Island Sound Basin.

MAPS AND DIGITAL DATA - Go to the CT DEP website for this map and a variety of others. Go to the CT DEP website for the digital spatial data on this map.

BLEATHFORD TOWN, CONNECTICUT CL DEP Quadrangle 1

Map created by CT DEP
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